

1   **WHAT IS CLAIMED IS:**

2           A reflective optical apparatus for a free-space optical communication

3   system and the reflective optical apparatus comprising:

4           a housing having a front opening;

5           a reflective member mounted in the housing and having a concave

6   reflective surface with a focal point and the concave reflective surface facing the

7   front opening of the housing;

8           an optical transceiver mounted at the focal point of the concave

9   reflective surface; and

10          a protective window mounted in the housing between the transceiver and

11   the front opening of the housing.